

Title (en)

FIN UNIT WITH ELASTIC ATTACHMENT SYSTEM ON AN UNDERSIDE OF A MARINE APPARATUS

Title (de)

FINNENEINHEIT MIT ELASTISCHEM BEFESTIGUNGSSYSTEM AN DER UNTERSEITE EINES WASSERFAHRZEUGS

Title (fr)

ENSEMBLE AILERON AVEC SYSTEME D'ATTACHE ELASTIQUE SUR CARENE D'ENGIN NAUTIQUE

Publication

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Application

**EP 06764644 A 20060518**

Priority

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Abstract (en)

[origin: WO2006123054A1] The invention relates to a fin unit (2) with elastic attachment system on an underside (1) of a marine apparatus, such as a wind surf, kite surf, fly surf, wakeboard, knee board and particularly a surfboard. The fin in the mounting thereof is partially made to self-align in the flow of liquid medium with the aim of avoiding the hydrodynamic stall caused by the passage of high turbulence and/or large lateral movements caused by the surfer in extreme motion. The possibility for self-orientation is due to three fundamental parameters which are: the type of elasticity of the attachment system (3-4-5-27), the forward position of the centre of gravity G towards the leading edge (15) and the form of the root profile (9) of the fin (2) which has a thickening (7) of the trailing edge thereof.

IPC 8 full level

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